

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended) A method of a page generation/access, comprising:

~~a) determining a predetermined set of page update events;~~

~~ba) generating a dynamic page based upon a page template and a page generation call with an argument in response to at least one of said page update events in advance of a user page access request including said page generation call with said argument;~~

~~e1b) storing in a batch page generation definition table a unique file name of said generated dynamic page in association with, said file names containing a page update trigger, and said page generation call of said dynamic page, as a part of said file names said unique file name containing an element corresponding to said argument;~~

~~c) storing said generated dynamic page in a storage device at a location specified by said unique file name;~~

~~d) updating said generated dynamic page stored in said storage device by generating and storing an updated dynamic page according to said file name stored in said table and based upon said page template and said page generation call with said argument stored in said table in association with said page update trigger in response to at least one of predetermined page update events in advance of another user page access request; and~~

~~e2) generating an additional page by executing the page generation call in response to the page update trigger and storing another one of the said file names in the table and the additional page generated by a template contained in the page generation call; and~~

ed) outputting said stored dynamic page as updated in said step d) and said additional page in response to another one of said user page access request, said user page access request, containing a page generation call with an argument stored in said table in association with a file name corresponding to said outputted dynamic page, containing said file names.

Claim 2 (previously presented) The method of a page generation/access according to claim 1 wherein said step b) places a command execution result as a character string in the page template, the command execution result being obtained by executing a command in the page template for running an application program based on the argument in the page generation call.

Claim 3 (previously presented) The method of a page generation/access according to claim 1 wherein said template further includes immediate executable commands and delayed executable commands, said step b) executing immediate executable commands, said step b) also converting said delayed executable commands into executable commands in said page.

Claim 4 (original) The method of a page generation/access according to claim 3 wherein said step d) further comprising: e) executing said converted executable commands in response to said user page access request prior to said outputting.

Claim 5 (original) The method of a page generation/access according to claim 4 wherein said step e) optionally incorporates in said page information from said user page access request.

Claim 6 (original) The method of a page generation/access according to claim 1 wherein said page update events include a time trigger event, a data update event and a user specified event.

Claim 7 (original) The method of a page generation/access according to claim 6 wherein an update flag is initialized to off, in response to said data update event, said update flag is turned on, said step is performed based upon said update flag.

Claim 8 (currently amended) The method of a page generation/access according to claim 1 wherein said step b_a) is repeated between said steps e_{2d}) and d_e) if another one of said page update events occurs after said step e_{2c}).

Claim 9 (currently amended) The method of a page generation/access according to claim 1 wherein said page after said step b_a) is stored in a proxy server.

Claim 10 (currently amended) The method of a page generation/access according to claim 1 wherein said steps a), b), e_{1c}), e_{2d}), and d_e) take place at a server site.

Claim 11 (currently amended) The method of a page generation/access according to claim 1 wherein said steps a), b), e_{1c}), e_{2d}), and d_e) take place at a client site.

12. (currently amended) A system for generating and accessing a page, comprising:

a batch page generation control unit for determining a dynamic page to be generated in response to at least one of a predetermined set of page update events;

a batch page generation unit connected to said batch page generation control unit for generating said dynamic page based upon a page template and a page generation call with an argument in response to the one of said page update events in advance of a user page access request including said page generation call with said argument, said batch page generation unit generating an additional page by executing the page generation call in response to the page update trigger;

a memory unit connected to said batch page generation unit for storing said ~~newly generated dynamic page~~ in a batch page generation definition table a unique file name of

~~said generated dynamic page, said file names containing in association with a page update trigger, and said and a page generation call of said dynamic page; as a part of said file names, said memory unit storing said generated dynamic page in a storage device at a location specified by said unique file name, said batch generation unit updating said generated dynamic page stored in said storage device by generating and storing an updated dynamic page according to said file name stored in said table and based upon said page template and said page generation call with said argument stored in said table in association with said page update trigger in response to at least one of predetermined page update events in advance of another user page access request; said memory unit also storing another one of the said file names in the table and the additional page generated by a template contained in the page generation call; and~~

an output unit connected to said memory unit for outputting one of said stored dynamic page and said additional dynamic page in response to said user page access request, said user page access request containing a page generation call with an argument stored in said table in association with a file name corresponding to said outputted dynamic page containing said file names.

Claim 13 (original) The system for generating and accessing a page according to claim 12 wherein said page includes data that is formatted by a template, said batch page generating unit generating said page based upon a corresponding pair of the data and the template.

Claim 14 (original) The system for generating and accessing a page according to claim 13 wherein said template further includes immediate executable commands and delayed executable commands, said batch page generation unit executing immediate executable commands, said batch page generation unit also converting said delayed executable commands into executable commands in said page.

Claim 15 (original) The system for generating and accessing a page according to claim 14 wherein said batch page generation unit further executing said converted executable commands in response to said user page access request prior to outputting.

Claim 16 (original) The system for generating and accessing a page according to claim 15 wherein said batch page generation unit optionally incorporates in said page information from said user page access request.

Claim 17 (previously presented) The system for generating and accessing a page according to claim 12 wherein said page update events include a time trigger event, a data update event and a user specified event.

Claim 18 (original) The system for generating and accessing a page according to claim 17 wherein said batch page generation unit initializes an update flag to off, in response to said data update event, said batch page generation control unit turning said update flag on, said batch page generation unit performs the page generation based upon said update flag.

Claim 19 (previously presented) The system for generating and accessing a page according to claim 12 wherein said batch page generation unit repeats the page generation after said memory unit stores said page and said output unit outputs said page if another one of said page update events occurs.

Claim 20 (previously presented) The system for generating and accessing a page according to claim 12 wherein said memory unit is located in a proxy server.

Claim 21 (previously presented) The system for generating and accessing a page according to claim 12 wherein said batch page generation control unit, said batch page generation unit, said memory unit and said output unit are located at a server site.

Claim 22 (previously presented) The system for generating and accessing a page according to claim 12 wherein said batch page generation control unit, said batch page generation unit, said memory unit and said output unit are located at a client site.

Claim 23 (currently amended) A method of accessing a Web page, comprising the steps of:

- a) detecting a predetermined Web page generation event;
- b) generating an entire dynamic Web page in response to said predetermined Web page generation event;
- c) storing the dynamically generated entire Web page at a memory location that is referenced by a corresponding one of predetermined unique URL's, the URL's containing an argument for a page generation as a part of the URL's;
 - c1) storing in a table a unique file name of said generated dynamic Web page in association with a page update trigger and a page generation call of said dynamic page, said file name containing an element corresponding to said argument;
 - c2) requesting a page via a user page access request containing a part of a URL to be generated;
 - d1) determining if ~~a~~ the URL matches one of the predetermined URL's; ~~and~~
 - d2) updating said generated dynamic page stored in said memory location by generating and storing an updated dynamic Web page according to said file name stored in said table and based upon said page generation call with said argument stored in said table in association with said page update trigger in response to at least one of predetermined page update events in advance of another user page access request; and
- e) accessing the stored dynamically generated entire Web page based upon said step d).

Claim 24 (previously amended) The method of accessing a Web page according to claim 23 wherein said step b) further comprising additional steps of :

speculating the argument for the page generation call to generate the dynamic Web page;

executing a command in a template of the dynamic Web page with the argument to generate a execution result; and

placing the execution result in the dynamic Web page.

Claim 25 (previously presented) The method of accessing a Web page according to claim 23 wherein said step d) further comprising a step of additionally determining if the dynamically generated Web page requires a further update.

Claim 26 (previously presented) The method of accessing a Web page according to claim 24 wherein the command includes an immediate executable command and a delayed executable command.

Claim 27 (previously presented) The method of accessing a Web page according to claim 26 wherein the delayed executable command is executed in response to said step e).

Claim 28 (previously presented) The method of accessing a Web page according to claim 23 wherein the predetermined Web page generation event includes a time trigger event, a data update event and a user specified event.

Claim 29 (previously presented) The method of accessing a Web page according to claim 23 wherein the dynamically generated Web page is stored in a proxy server in said step c).

Claim 30 (previously presented) The method of accessing a Web page according to claim 23 wherein said steps a) through e) take place at a client site.

Claim 31 (previously presented) The method of accessing a Web page according to claim 23 wherein said steps a) through e) take place at a server site.

Claim 32 (currently amended) A system for accessing a Web page, comprising:

- a batch page generation control unit for detecting a predetermined Web page generation event;

- a batch page generation unit connected to said batch page generation control unit for generating an entire dynamic Web page in response to said predetermined Web page generation event; and

- a memory unit connected to said batch page generation unit for storing in a table a unique file name of said generated dynamic page in association with a page update trigger and a page generation call of said dynamic page, said file name containing an element corresponding to said argument and storing the dynamically generated entire Web page at a memory location that is referenced by a corresponding one of predetermined unique URL's, the URL's containing the argument for a page generation as a part of the URL's;

- wherein said batch page generation unit receives a user page access request containing a part of a URL to be generated for updating said generated dynamic page stored in said memory unit by generating and storing an updated dynamic page according to said file name stored in said table and based upon said page generation call with said argument stored in said table in association with said page update trigger in response to at least one of predetermined page update events in advance of another user page access request after said batch page generation control unit determines if a-the URL matches one of the predetermined URL's and allows access to the stored dynamically generated entire Web page.

Claim 33 (currently amended) The system for accessing a Web page according to claim 32 wherein said batch page generation control unit further speculates an argument for a

page generation call to generate the dynamic Web page, executes a command in a template of the dynamic Web page with an argument to generate a execution result and places the execution result in the dynamic Web page.

Claim 34 (previously presented) The system for accessing a Web page according to claim 32 wherein said batch page generation control unit further determining if the dynamically generated Web page requires a further update.

Claim 35 (previously presented) The system for accessing a Web page according to claim 33 wherein the command includes an immediate executable command and a delayed executable command.

Claim 36 (previously presented) The system for accessing a Web page according to claim 35 wherein the delayed executable command is executed in response to user access.

Claim 37 (previously presented) The system for accessing a Web page according to claim 32 wherein the predetermined Web page generation event includes a time trigger event, a data update event and a user specified event.

Claim 38 (previously presented) The system for accessing a Web page according to claim 32 wherein the dynamically generated Web page is stored in said memory unit in a proxy server.

Claim 39 (previously presented) The system for accessing a Web page according to claim 32 wherein said batch page generation control unit, said batch page generation unit and said memory unit are located at a client site.

Claim 40 (previously presented) The system for accessing a Web page according to claim 32 wherein said batch page generation control unit, said batch page generation unit and said memory unit are located at a server site.